

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An air-conditioning system, in particular a motor vehicle air-conditioning system, which can be operated as a heat pump, with a compressor ~~[[(2)]]~~, with a heater ~~[[(3)]]~~, with a throttle member ~~[[(4)]]~~ and with an evaporator ~~[[(6)]]~~, ~~characterized in that~~ wherein the compressor ~~[[(2)]]~~ has a variable stroke and the throttle member ~~[[(4)]]~~ is designed as a controllable expansion valve ~~[[(5)]]~~ which contributes to regulating the heating capacity in heat-pump operation.
2. (Currently amended) The air-conditioning system as claimed in claim 1, ~~characterized in that~~ wherein the expansion valve ~~[[(5)]]~~ follows the heater ~~[[(3)]]~~ and precedes the evaporator ~~[[(2)]]~~.
3. (Currently amended) The air-conditioning system as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein a high-pressure regulator, in conjunction with a compressor valve, is provided for regulating the compressor ~~[[(2)]]~~.
4. (Currently amended) The air-conditioning system as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein a high-pressure regulator is provided for regulating the expansion valve ~~[[(5)]]~~.
5. (Currently amended) The air-conditioning system as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the expansion valve ~~[[(5)]]~~ is a pulse-width modulated expansion valve.
6. (Currently amended) A method for regulating an air-conditioning system, in particular a motor vehicle air-conditioning system, which can be operated as a heat pump,

with a compressor [(2)], with a heater [(3)], with a throttle member [(4)] and with an evaporator [(6)], ~~characterized in that~~ wherein regulation is carried out with the aid of a regulator for the stroke of the compressor [(2)], and the stroke of the compressor [(2)] is carried out by means of a high-pressure regulator, in conjunction with the regulation of a compressor valve [(5)] forming the throttle member [(4)].

7. (Currently amended) The method as claimed in claim 6, ~~characterized in that~~ wherein regulation is carried out as a function of a regulation of a pulse-width modulated expansion valve [(5)] forming the throttle member [(4)], a high-pressure regulator being provided for this purpose.

8. (Currently amended) The method as claimed in ~~either one of claims 6 and 7,~~ ~~characterized in that~~ claim 6, wherein the regulation of the air-conditioning system in heat-pump operation takes place as a function of the desired temperature of the air downstream of the heater, taking into account a pilot control characteristic curve of a desired high-pressure value.

9. (Currently amended) The method as claimed in ~~one of claims 6 to 8,~~ ~~characterized in that~~ claim 6, wherein the regulation of the heater temperature of the air-conditioning system in heat-pump operation takes place as a function of the desired temperature of the air downstream of the heater [(3)], taking into account the determined temperature of the air downstream of the heater [(3)], a correcting characteristic curve being taken into account.

10. (Currently amended) The method as claimed in ~~one of claims 6 to 9,~~ ~~characterized in that~~ claim 6, wherein the regulation of the air-conditioning system in heat-pump operation takes place, taking into account the pressure of the refrigerant present in the heat-pump circuit, downstream of the compressor [(2)].